



Introduction
Sections of Late Paleozoic and Mesozoic rocks were measured as part of the geologic investigations of the Mount Michelson quadrangle, Alaska, in 1974, 1976; some of the sections were measured from Detterman 1974, 1976; Detterman and others, 1975. The sections presented here, in order of increasing age, are: section 13, Pogopuk Creek; section 14, Upper Sedlerachit River; section 15, Echooka River; section 16, Wahoo Lake; and section 17, Marsh Fork Canning River. All sections are plotted at a scale of 1 in. to 100 ft., except for sections 5 and 15; section 5 is plotted at 1 in. to 200 ft., and 15 is plotted at 1 in. to 50 ft.

The location map shows the year the section was measured and the station number. The letters in parentheses are used to indicate where each was measured. The same letters are used along the column sections to indicate where each was measured. Fossils marked by a single asterisk (*) or double asterisk (**) are listed below. All other indicators mean fossils are present but not collected. The geologic map for the area is by Reiser and others (1971).

References cited
Detterman, R. L., 1974, Fauna of the Sedlerachit Formation, western Alaska: U.S. Geological Survey Miscellaneous Field Studies Map M-50, 1:250,000.
1976, Lithofacies facies diagram for the Philip Smith Mountains quadrangle and adjacent areas, northeastern Alaska: U.S. Geological Survey Miscellaneous Field Studies Map M-50, 1:250,000.
Detterman, R. L., Reiser, H. R., Brosgé, W. P., and Dutro, J. T., Jr., 1975, Paleogeographic stratigraphy, northeastern Alaska: U.S. Geological Survey Professional Paper 888, 46 p.
Reiser, H. R., Brosgé, W. P., Dutro, J. T., Jr., and Detterman, R. L., 1971, Geological Survey Open-File Report 71-49, scale 1:250,000.

List of fossils

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| Section 3. | |
| Unit 2. | <i>Reticularia</i> sp., <i>Megospira</i> sp., <i>Spiriferella striata-paradoxa</i> (Vernon). |
| Unit 3. | <i>Megospira weymouthi</i> (Toul.), <i>Waggonerconcha</i> sp., <i>Spiriferella saracina</i> (de Vernon). |
| Unit 4. | <i>Megospira weymouthi</i> (Toul.), <i>Spiriferella striata-paradoxa</i> (Vernon), <i>Spiriferella saracina</i> (de Vernon). |
| Unit 6. | <i>Pemphixodus</i> sp., bryozoans. |
| Section 4. | Kingik Shale, <i>Pentamerus subplanaris</i> var. <i>alaskaensis</i> Springer, <i>Lima</i> sp., <i>Oxytoma</i> sp., <i>Camptoceras</i> sp., Gastropod, undet. |
| Section 5. | Shublik Formation, <i>Hedbergites</i> sp., <i>Tropidites</i> sp., <i>Spiriferella ammonite</i> , <i>Acastites ammonite</i> , <i>Calymene</i> sp., <i>Micostrea</i> sp. |
| Section 8. | Unit 3. <i>Waggonerconcha</i> sp., Gastropod fragments. |
| Section 11. | <i>Architreta</i> cf. A. <i>hamata</i> (Vernon), <i>Megospira</i> sp. |
| Section 12. | <i>Obicularia</i> sp. |
| Unit 5. | <i>Micostrea</i> sp. |
| Unit 10. | <i>Micostrea duplex</i> (Vernon). |
| Unit 11. | <i>Chonetesina</i> cf. C. <i>sphaera</i> (Gobbi), <i>Lissoclinetes solitarius</i> (Vernon), <i>Calymene</i> sp., <i>Hedbergites ammonite</i> , <i>Architreta</i> sp., <i>Micostrea</i> sp., <i>Spiriferella saracina</i> (de Vernon), Bryozoa. |
| Section 14. | <i>Kochiopodus</i> sp., <i>Spiriferella</i> sp., sponge spicules. |
| Section 16A. | <i>Megospira weymouthi</i> (Toul.), <i>Muticostrea</i> sp., <i>Spiriferella saracina</i> (de Vernon), <i>Spiriferella ethiopica</i> (von Buch). |
| Section 16B. | <i>Megospira weymouthi</i> (Toul.), <i>Megospira harlandi</i> (Gobbi), <i>Spiriferella saracina</i> (de Vernon), <i>Spiriferella</i> sp., <i>Vestigina</i> sp., <i>Conularia</i> sp. |

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature

MEASURED SECTIONS OF LATE PALEOZOIC AND MESOZOIC ROCKS, MOUNT MICHELSON QUADRANGLE, ALASKA

By

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